

FIG. 1 is a block diagram of a speech processing system. The system includes a Preemphasis Filter (102), an Acoustic Feature Extraction (AFE) block (104), an Acoustic Pattern Matching and Language Modeling block (110), and an Acoustic Model (112). The system also outputs an Estimated Word String.

FIG. 1

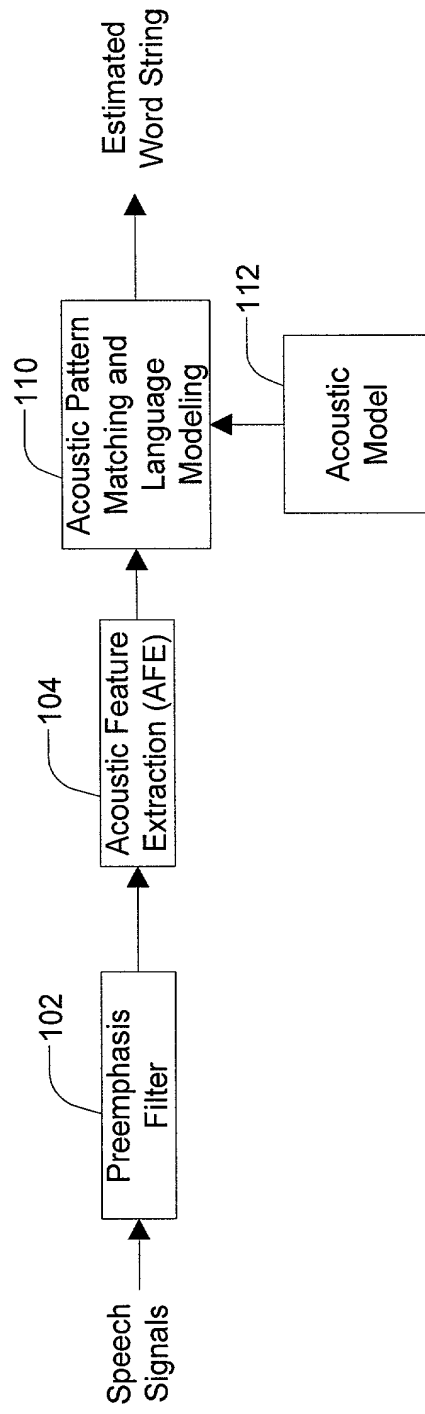


FIG. 2 is a block diagram of a system 200. The system 200 includes a first device 202 and a second device 204. The first device 202 includes a microphone (MIC) 210, an analog-to-digital converter (ADC) 212, a programmable logic device (PLD) 214, an analog front-end (AFE) 216, a control processor 222, a memory 227, a VR engine 220, an adaptation engine 224, an acoustic model 226, and an adaptation model 228. The second device 204 includes a modem 230, a control processor 232, a memory 236, a VR engine 234, and a central acoustic model 238. The first device 202 is connected to the second device 204 via a communication link 206.

FIG. 2

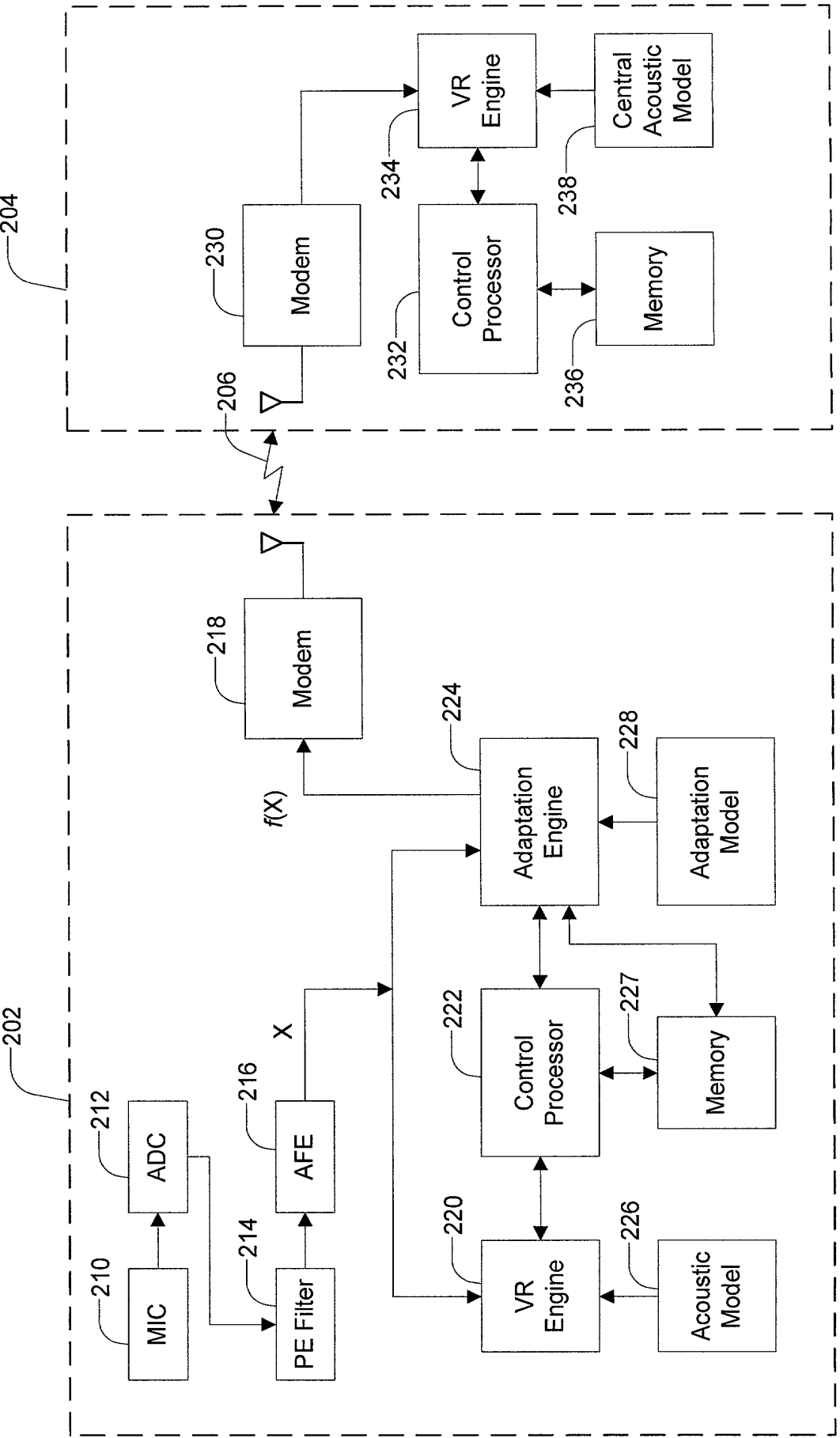


FIG. 3

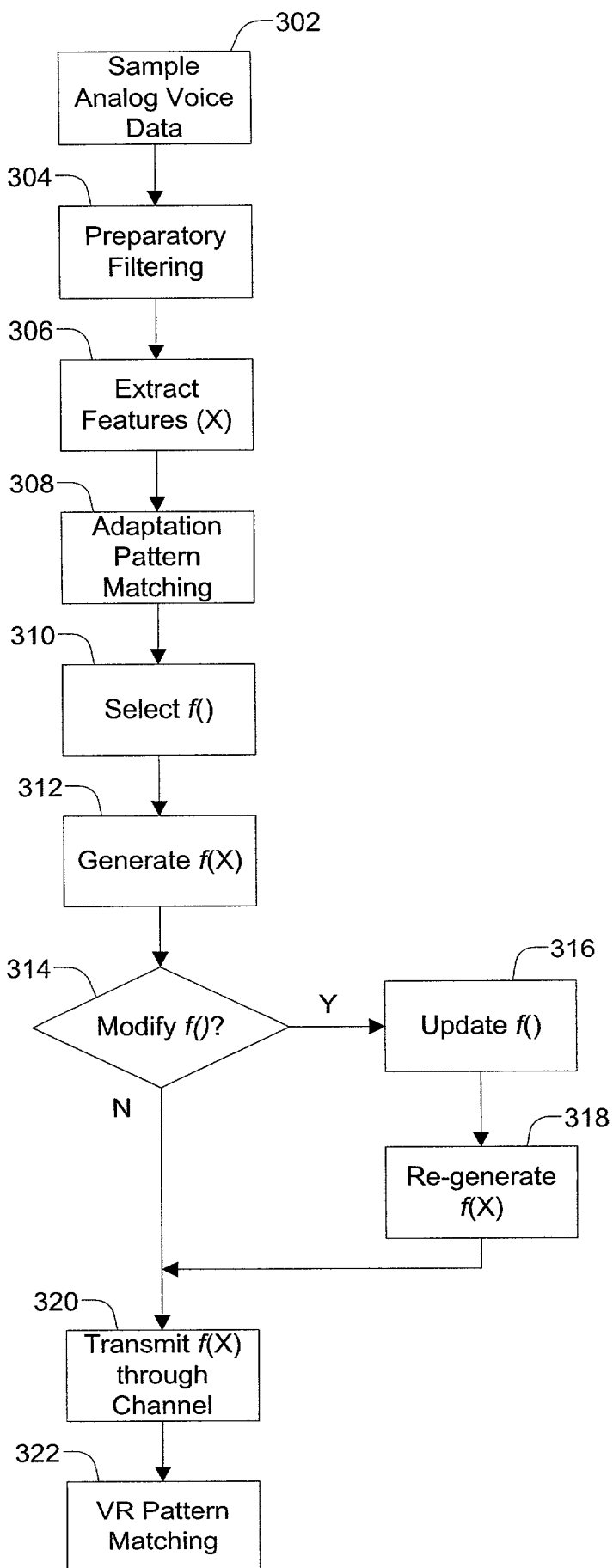


FIG. 4

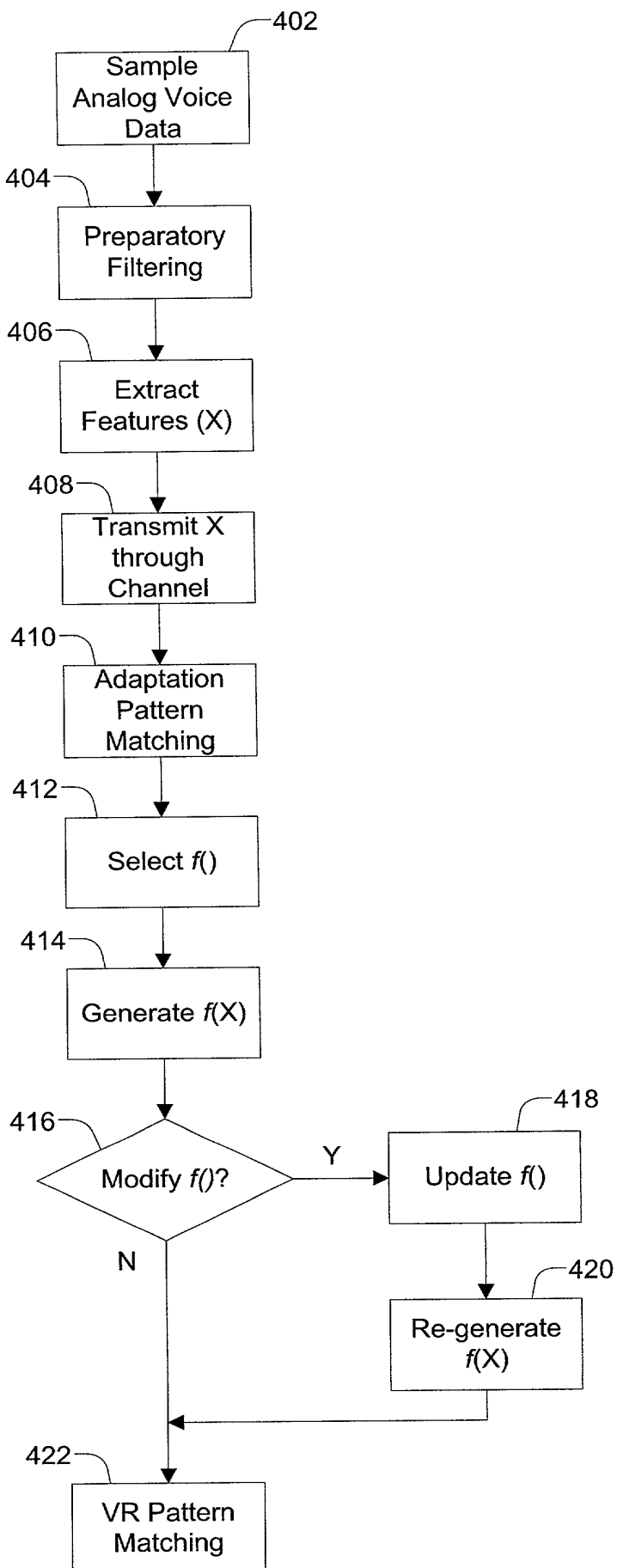


FIG. 5

